6

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of work: Providing Asphalting to main & Cross roads of Lottegolhalli in Ward-18

Estimate Cost Rs.15,00,000.00.

Sl No	Description of work		Dimensions L	B	D	Quantity	Rate	Unit	Amount
1	Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clodsincluding loading & unloading, cost of labour Conveying the excavated earth to distance of upto 10kms including loading and unloading charges (P-126 I No. 19.10)								
		2	180.00	0.45	0.35	56.70			
		2	120.00	0.45	0.35	37.80			
		2	200.00	0.45	0.30	54.00			
		2	390.00	0.45	0.30	105.30			
		20	5.00	0.65	0.30	19.50			
		23	2.50	1.50	0.30	25.88			
					Total	**299.18**	**153.14**	**Cum**	**45817.00**
	Basic Rate	54.00							
		87.80							
	Total	141.80							
	Area Weightage @ 8%	11.34							
	Total	**153.14**							
2	Providing and laying stone dust (P II Sl.No.50)								
		20	5.00	0.65	0.30	19.50			
		23	2.50	1.50	0.30	25.88			
					Total	**45.38**	**180.00**	**Cum**	**8168.00**
	Basic Rate	180.00							
	Total	**180.00**							
3	KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniforms layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired basically complete as per specifications. MORTH Specification No. 406 KSRRB M400-Construction of Median and Island with soil taken from Roadway cutting (P.No.167, I.No.20.18)								48079.00
		20	5.00	0.65	0.30	19.50			
		23	2.50	1.50	0.30	25.88			
					Total	**45.38**	**1059.48**	**Cum**	**48074.00**
	basic rate	981.00							
	add 8%	78.48							
		1059.48							
4	Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Chapter 5. (P-171 I No. 21.2)								
	2nd Cross	1	180.00	4.50		810.00			
	3rd Cross	1	120.00	5.50		660.00			
	1st Main	1	200.00	6.00		1200.00			
	1st Cross Narsimhayya layout	1	390.00	5.00		1950.00			
					Total	**4620.00**	**2.38**	**Sqm**	**10977.00**
	Basic Rate	2.20							10996.00
	Total	2.20							
	Area Weightage @ 8%	0.18							
	Total	**2.38**							

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Sl No	Description of work		Dimensions L	B	D	Quantity	Rate	Unit	Amount
5	KSRRB M500-10 Tack coat :- Providing and applying tack coat with bitumen emulsion using emulsion pressure distributor at the rate of 0.20 kg per sqm on the prepared bituminous / granular surface cleaned with mechanical broom complete as per specifications. MORTH specification No.503.(P.No.173, I.No.21.10.1)								
		1	180.00	4.50		810.00			
		1	120.00	5.50		660.00			
		1	200.00	6.00		1200.00			
		1	390.00	5.00		1950.00			
					Total	4620.00	11.63	Sqm	53738.00
	basic rate	10.77							
	add 8%	0.86							
		11.63							
6	KSRRB M500-18. Providing and laying semi dense bituminous concrete 25 mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.8 complete in all respects complete as per specifications.With 80/100 grade bitumen (P.175/I.21.20.3)								
		1	180.00	4.50	0.025	20.25			
		1	120.00	5.50	0.025	16.50			
		1	200.00	6.00	0.025	30.00			
		1	390.00	5.00	0.025	48.75			
					Total	115.50	9583.30	Cum	1106872.00
	basic rate	8755.68							
	Note pg.183 Lead 1to 2km	5.75							
	2 to 5km	16.50							
	5 to 10km	26.00							
	10 to 15km	24.50							
	15 to 25km	45.00							
		8873.43							
	Area Weightage 8%	709.87							
	Total	9583.30							
7	KSRRB M500-13. Providing and laying bituminous macadam 50mm thick with 100-120 TPH hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading premixed with bituminous binder, transported to site, laid over a previously prepared surface with paver finisher to the requiredf grade, level and alignment and rolled as per Clauses 501.6 and 501.7 to achieve the desired compaction complete as per specifications. MORTH Specification No. 504 - Do- 50-75mm Compacted thickness (grading II) with 3.3% Bitimen (P.173 /I.21.13.2)								
		4620.00	x9.7%			448.14			
				448.14	0.05	22.41			
					Total	22.41	6571.13	Cum	147239.00
	Basic Rate	5966.63							
	Note pg.183 Lead 1to 2km	5.75							
	2 to 5km	16.50							
	5 to 10km	26.00							
	10 to 15km	24.50							
	15 to 25km	45.00							
		6084.38							
	Area Weightage 8%	486.75							
	Total	6571.13							

Administrative Sanctioned for Rs. 15,00,000-00
(Rs. Fifteen lakhs only)
is accorded under head P-220/

Registered as Sl. No. 878 Page No. 2/2
Subject to conditions contained in enclosed memo
No. JCE/AS/878/12 Dt. 18/02/13

AE / JE TA (F) S.E/C.E/J.C.(E)

Sl No	Description of work		Dimensions L	B	D	Quantity	Rate	Unit	Amount
8	KSRRB M800-11.1. Painting lines, dashes, arrows etc., on Roads in two coats on New Work:- Painting lines, dashes, arrows etc., on roads in two coats on new work with ready mixed road marking paint conforming to IS 164 on bituminous surface, including cleaning the surface of all dirt, dust and other foreign matter, demarcation at site and traffic control complete as per specifications i) Over 10cm in width. MORTH specification No.803. (P.194 I no.24.11)								
		3	180.00		0.10	54.00			
		3	120.00		0.10	36.00			
		3	200.00		0.10	60.00			25893.66
		3	390.00		0.10	117.00			
					Total	267.00	96.98	Cum	9405.90
	Basic Rate	89.80							
	Area Weightage @ 8%	7.18							
	Total	96.98							1318826.00
								9800.00	26376.52
10	Add 2% for 3rd party Inspection and Material Testing charges								145070.86
11	Add 11% for KIRDL Charges and Applicable Taxes								320.72
12	Miscellaneous					TOTAL AMOUNT			1500000.00

Certificate:

1. The work spot has been inspected and found to be necessary
2. The work spot comes under BBMP Limits
3. The provisions made in the estimate are necessary and minimum
4. The estimate is based on CSR of 2012-13

Assistant Engineer
Ward No. 18

Assistant Executive Engineer
Hebbal Sub Division
BBMP

Executive Engineer
Hebbal division
BBMP

TECHNICALLY SANCTIONED FOR

Rs. Fifteen lakhsonly

P-220 Assembly Constituency Devel

Under Works Under BBMP

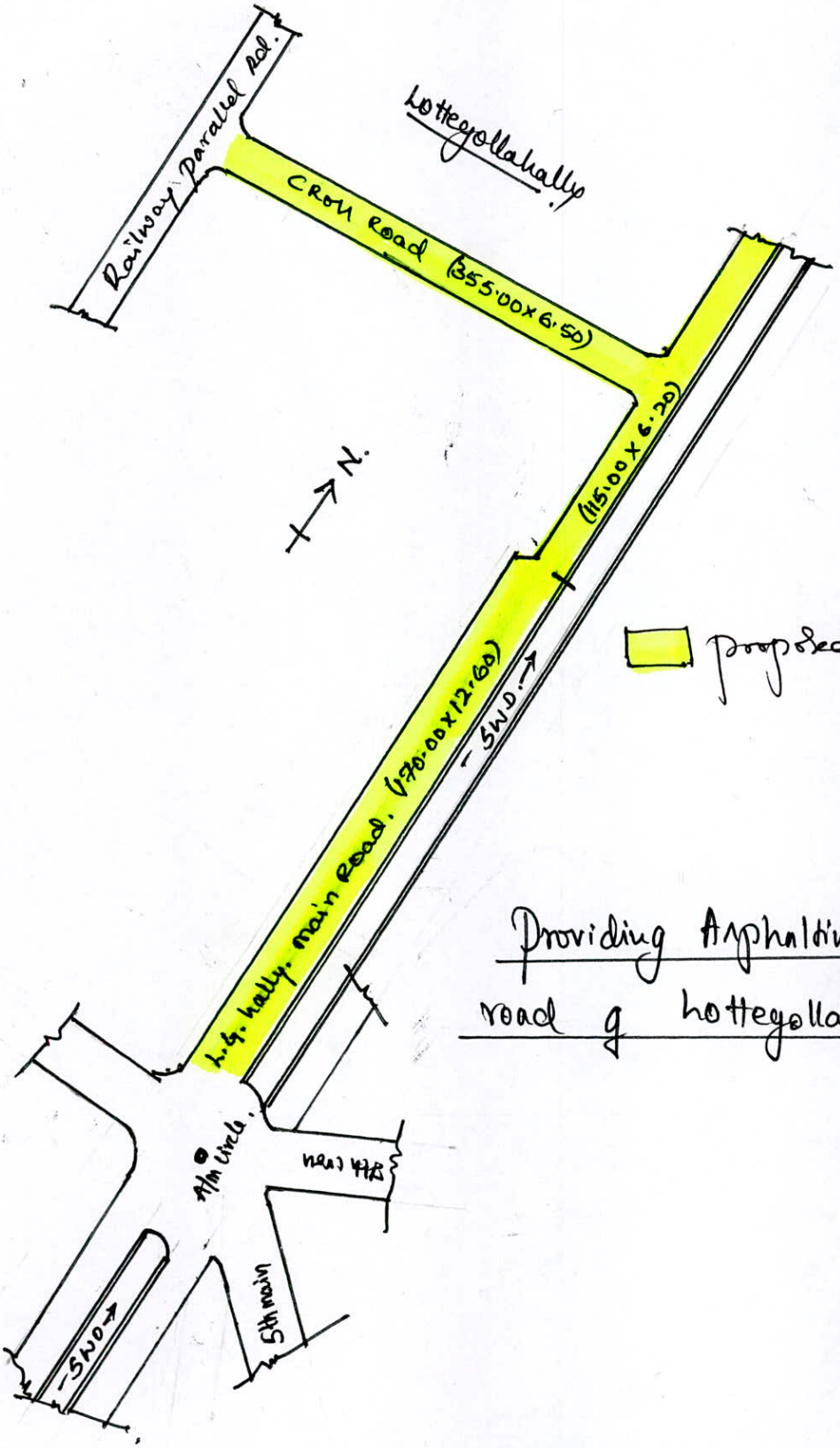
Registered as EE(H)vide No 19/2/401

Subject to conditions in enclosed memo

No 401/12-13 Dt: 19/2/13

JE/AE

E.E(H .)



Providing Asphalting to main & cross road @ hottegollahally in ward-18.

for Reference work

AE